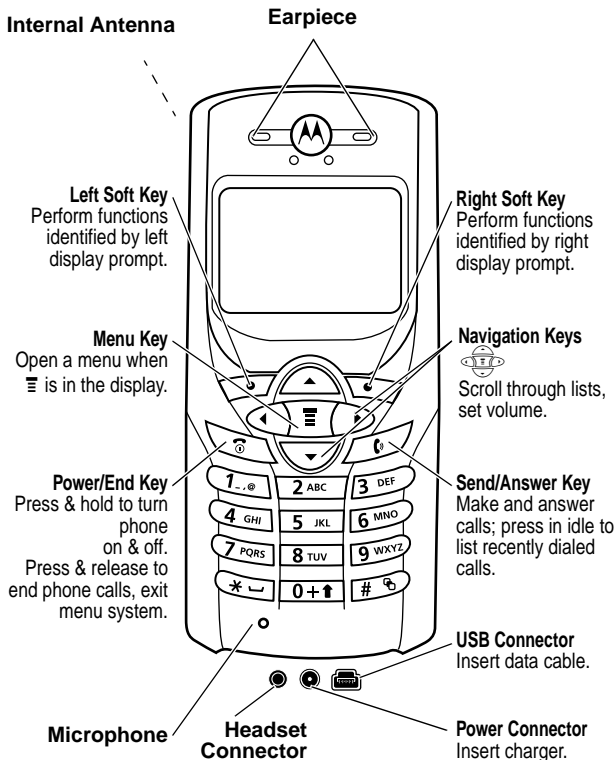


# Welcome



You can change covers and keypads on your C450 Series phone (see page 17). Your phone may not appear exactly as the phone image above. Note that all key locations, sequences, and functions remain the same with any of the covers.

MOTOROLA and the Stylized M Logo are registered in the US Patent & Trademark Office. All other product or service names are the property of their respective owners.

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# ***Safety and General Information***

---

IMPORTANT INFORMATION ON SAFE AND EFFICIENT OPERATION. READ THIS INFORMATION BEFORE USING YOUR PHONE.

The information provided in this document supersedes the general safety information in user guides published prior to December 1, 2002.

## ***Exposure To Radio Frequency (RF) Energy***

Your phone contains a transmitter and a receiver. When it is ON, it receives and transmits RF energy. When you communicate with your phone, the system handling your call controls the power level at which your phone transmits.

Your Motorola phone is designed to comply with local regulatory requirements in your country concerning exposure of human beings to RF energy.

## ***Operational Precautions***

To assure optimal phone performance and make sure human exposure to RF energy is within the guidelines set forth in the relevant standards, always adhere to the following procedures.

### ***External Antenna Care***

Use only the supplied or Motorola-approved replacement antenna. Unauthorised antennas, modifications, or attachments could damage the phone.

Do NOT hold the external antenna when the phone is IN USE. Holding the external antenna affects call quality and may cause the phone to operate at a higher power level than needed. In addition, use of unauthorised antennas may result in non-compliance with the local regulatory requirements in your country.

## ***Phone Operation***

When placing or receiving a phone call, hold your phone as you would a wireline telephone.

## ***Body-Worn Operation***

To maintain compliance with RF energy exposure guidelines, if you wear a phone on your body when transmitting, always place the phone in a Motorola-supplied or approved clip, holder, holster, case, or body harness for this phone, if available. Use of accessories not approved by Motorola may exceed RF energy exposure guidelines. If you do not use one of the body-worn accessories approved or supplied by Motorola, and are not using the phone held in the normal use position, ensure the phone and its antenna are at least 1 inch (2.5 centimetres) from your body when transmitting.

## ***Data Operation***

When using any data feature of the phone, with or without an accessory cable, position the phone and its antenna at least 1 inch (2.5 centimetres) from your body.

## ***Approved Accessories***

Use of accessories not approved by Motorola, including but not limited to batteries and antenna, may cause your phone to exceed RF energy exposure guidelines. For a list of approved Motorola accessories, visit our website at [www.Motorola.com](http://www.Motorola.com).

## ***RF Energy Interference/Compatibility***

***Note:*** *Nearly every electronic device is susceptible to RF energy interference from external sources if inadequately shielded, designed, or otherwise configured for RF energy compatibility. In some circumstances your phone may cause interference.*

## ***Facilities***

Turn off your phone in any facility where posted notices instruct you to do so. These facilities may include hospitals or health care

facilities that may be using equipment that is sensitive to external RF energy.

## ***Aircraft***

When instructed to do so, turn off your phone when on board an aircraft. Any use of a phone must be in accordance with applicable regulations per airline crew instructions.

## ***Medical Devices***

### **Pacemakers**

Pacemaker manufacturers recommend that a minimum separation of 6 inches (15 centimetres) be maintained between a handheld wireless phone and a pacemaker.

Persons with pacemakers should:

- ALWAYS keep the phone more than 6 inches (15 centimetres) from your pacemaker when the phone is turned ON.
- NOT carry the phone in the breast pocket.
- Use the ear opposite the pacemaker to minimise the potential for interference.
- Turn OFF the phone immediately if you have any reason to suspect that interference is taking place.

### **Hearing Aids**

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your hearing aid manufacturer to discuss alternatives.

### **Other Medical Devices**

If you use any other personal medical device, consult the manufacturer of your device to determine if it is adequately shielded from RF energy. Your GP may be able to assist you in obtaining this information.

## ***Use While Driving***

Check the laws and regulations on the use of phones in the area where you drive. Always obey them.

When using your phone while driving, please:

- Give full attention to driving and to the road.
- Use hands-free operation, if available.
- Pull off the road and park before making or answering a call if driving conditions so require.

## ***Operational Warnings***

### ***For Vehicles With an Air Bag***

Do not place a phone in the area over an air bag or in the air bag deployment area. Air bags inflate with great force. If a phone is placed in the air bag deployment area and the air bag inflates, the phone may be propelled with great force and cause serious injury to occupants of the vehicle.

### ***Potentially Explosive Atmospheres***

Turn off your phone prior to entering any area with a potentially explosive atmosphere, unless it is a phone type especially qualified for use in such areas and certified as “Intrinsically Safe.” Do not remove, install, or charge batteries in such areas. Sparks in a potentially explosive atmosphere can cause an explosion or fire resulting in bodily injury or even death.

***Note:*** *The areas with potentially explosive atmospheres referred to above include fuelling areas such as below decks on boats, fuel or chemical transfer or storage facilities, areas where the air contains chemicals or particles, such as grain, dust, or metal powders. Areas with potentially explosive atmospheres are often but not always posted.*








## ***Blasting Caps and Areas***

To avoid possible interference with blasting operations, turn OFF your phone when you are near electrical blasting caps, in a blasting area, or in areas posted "Turn off electronic devices." Obey all signs and instructions.

## ***Batteries***

Batteries can cause property damage and/or bodily injury such as burns if a conductive material such as jewellery, keys, or beaded chains touch exposed terminals. The conductive material may complete an electrical circuit (short circuit) and become quite hot. Exercise care in handling any charged battery, particularly when placing it inside a pocket, bag, or other container with metal objects. **Use only Motorola original batteries and chargers.**

Your battery or phone may contain symbols, defined as follows:

<b>Symbol</b>	<b>Definition</b>
	Important safety information will follow.
	Your battery or phone should not be disposed of in a fire.
	Your battery or phone may require recycling in accordance with local laws. Contact your local regulatory authorities for more information.
	Your battery or phone should not be thrown in the trash.
	Your phone contains an internal lithium ion battery.

## ***Seizures/Blackouts***

Some people may be susceptible to epileptic seizures or blackouts when exposed to blinking lights, such as when watching television

or playing video games. These seizures or blackouts may occur even if a person never had a previous seizure or blackout.

If you have experienced seizures or blackouts, or if you have a family history of such occurrences, please consult with your doctor before playing video games on your phone or enabling a blinking-lights feature on your phone. (The blinking-light feature is not available on all products.)

Parents should monitor their children's use of video game or other features that incorporate blinking lights on the phones. All persons should discontinue use and consult a doctor if any of the following symptoms occur: convulsion, eye or muscle twitching, loss of awareness, involuntary movements, or disorientation.

To limit the likelihood of such symptoms, please take the following safety precautions:

- Do not play or use a blinking-lights feature if you are tired or need sleep.
- Take a minimum of a 15-minute break hourly.
- Play in a room in which all lights are on.
- Play at the farthest distance possible from the screen.

## ***Repetitive Motion Injuries***

When you play games on your phone, you may experience occasional discomfort in your hands, arms, shoulders, neck, or other parts of your body. Follow these instructions to avoid problems such as tendonitis, carpal tunnel syndrome, or other musculoskeletal disorders:

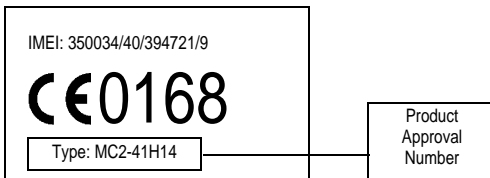
- Take a minimum 15-minute break every hour of game playing.
- If your hands, wrists, or arms become tired or sore while playing, stop and rest for several hours before playing again.
- If you continue to have sore hands, wrists, or arms during or after play, stop playing and see a doctor.

## European Union Directives Conformance Statement



Hereby, Motorola declares that this product is in compliance with

- The essential requirements and other relevant provisions of Directive 1999/5/EC
- All other relevant EU Directives



The above gives an example of a typical Product Approval Number.

You can view your product's Declaration of Conformity (DoC) to Directive 1999/5/EC (the R&TTE Directive) at [www.motorola.com/rte](http://www.motorola.com/rte) - to find your DoC, enter the product Approval Number from your product's label in the "Search" bar on the Web site

# Getting Started

---

## What's in the Box?

Your digital wireless phone typically comes with a battery and a charger. Other accessory options can customize your phone for maximum performance and portability.

## About This Guide

This user guide describes how to use your Motorola wireless phone.

***Note:** A reference guide for your phone is also available that describes your phone's features in more detail.*

To obtain the reference guide for your phone, or another copy of this user guide, see the Motorola Web site at:

<http://hellomoto.com>

## Optional Features

This label identifies an optional network, SIM card, or subscription-dependent feature that may not be offered by all service providers in all geographical areas. Contact your service provider for more information.



## Optional Accessories

This label identifies a feature that requires an optional Motorola Original™ accessory.



## Installing the Battery

You must install and charge the battery to use your phone.



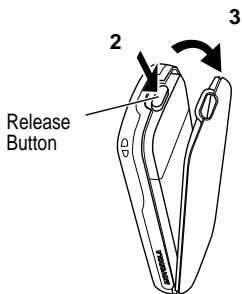
Your phone is designed to be used only with Motorola Original batteries and accessories. We recommend that you store batteries in their protective cases when not in use.

### Action

- 1 Remove the battery from its protective clear plastic case, if necessary.
- 

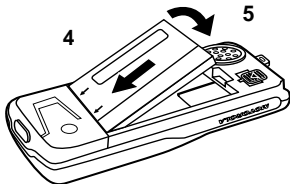
- 2 Press down on the cover release button at the top of your phone.

- 3 Pull the top of the phone's back cover to release it.



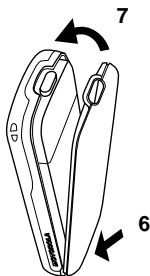
- 4 Insert the battery with printed arrows and 2 tabs at the top of the battery compartment.

- 5 Push down until the battery is inserted at the bottom.



## Action

- 6 Insert the bottom of the back cover.
- 7 Press the top of the back cover down until it hooks over the cover release button.



---

---

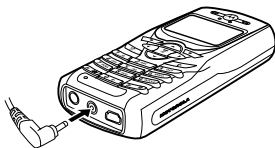
## Charging the Battery

New batteries are partially charged. Before you can use your phone, you need to install and charge the battery. Some batteries perform best after several full charge/discharge cycles.

**Caution:** If the battery is fully discharged, your phone may not display **Charging** for up to 1 minute after inserting the charger. **Do not** attempt to force the charger further in if you do not see an immediate response.

## Action

- 1 Plug the travel charger into the middle jack on the bottom of your phone.



- 
- 2 Plug the other end of the travel charger into the appropriate electrical outlet.
  - 3 When your phone indicates **Charge Complete**, remove the travel charger.
- 
-

When you charge the battery, the battery level indicator in the upper right corner of the display shows how much of the charging process is complete. See “Battery Level Indicator” on page 24.

## ***Battery Use***

**Caution:** To prevent injuries or burns, do not allow metal objects to contact or short-circuit the battery terminals.

To maximize battery performance:

- Always use Motorola Original™ batteries and battery chargers. The phone warranty does not cover damage caused from using non-Motorola batteries and/or battery chargers.
- New batteries or batteries that have been stored for a long time may require a longer initial charge time.
- Maintain the battery at or near room temperature when charging.
- Do not expose batteries to temperatures below -10°C (14°F) or above 45°C (113°F). Always take your phone with you when you leave your vehicle.
- When you do not intend to use a battery for a while, store it uncharged in a cool, dark, dry place, such as a refrigerator.
- Over time, batteries gradually wear down and require longer charging times. This is normal. If you charge your battery regularly and notice a decrease in talk time or an increase in charging time, then it is probably time to purchase a new battery.



The rechargeable batteries that power this product must be disposed of properly and may need to be recycled. Refer to your battery's label for battery type. Contact your local recycling center for proper disposal methods.

Never dispose of batteries in a fire because they may explode.

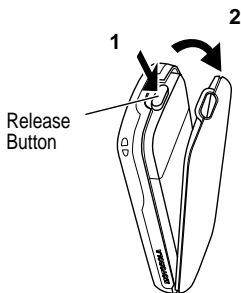
## Changing Your SIM Card

Your SIM (Subscriber Identity Module) card contains your phone number, service details, and phonebook/message memory. It must be installed in your phone, and must be a **3-volt** SIM card. If you have problems with your SIM card, contact your service provider.

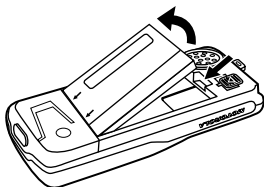
**Caution:** Do not bend or scratch your SIM card. Avoid exposing your SIM card to static electricity, water, or dirt.

### Action

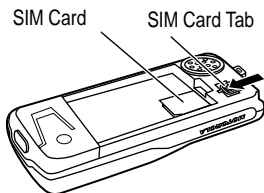
- 1 Press down on the cover release button at the top of your phone.
- 2 Pull the top of the phone's back cover to remove it.



- 3 Lift out the battery.



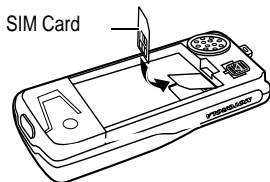
- 4 Slide the plastic SIM card tab forward to unlock the SIM card.
- 5 Lift out the old SIM card, if necessary.





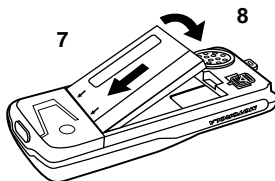
## Action

- Slide the new SIM card in the holder with the cut corner on the upper left and the gold plate facing down.



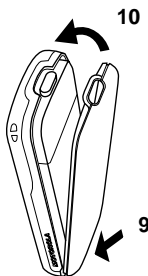
- Insert the battery with printed arrows and 2 tabs at the top of the battery compartment.

- Push down until the battery inserts at the bottom.



- Insert the bottom of the back cover.

- Press the top of the back cover down until it hooks over the cover release button.



## Changing Your Phone's Cover



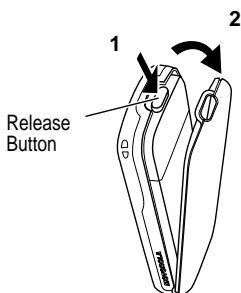
Always use Motorola Original™ covers. The phone warranty does not cover damage caused from using non-Motorola accessories.

Your phone uses a convertible cover and keypad that you can replace to completely change its appearance.

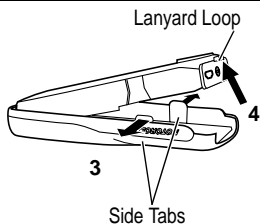
## Removing a Cover and Keypad

### Action

- 1 Press down on the cover release button at the top of your phone.
- 2 Pull the top of the phone's back cover to remove it.



- 3 Pull the side tabs away from the phone.
- 4 Lift up on the lanyard loop to pull the phone out of the front cover.



---

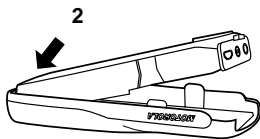
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## Installing a Cover and Keypad

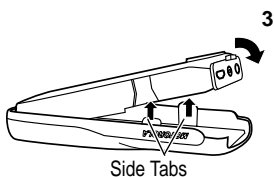
Always use the keypad that matches the new cover.

## Action

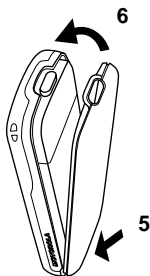
- 1 If your phone has an end cap, install it before attaching the front cover.
- 2 Slide the top of the phone into the top of the new front cover.



- 3 Press the bottom of the phone into the front cover until the side tabs snap into place.



- 4 Insert the bottom of the back cover.
- 5 Press the top of the back cover down until it hooks over the cover release button.



## Resetting Your Phone

If your phone freezes on a display, error message, or power up, reset it by removing and re-installing the battery:

### Action

- 1 Turn off your phone

---

  - 2 Remove and re-install your battery as described on page 13.

---

  - 3 Turn on your phone.
- 
- 

## Turning Your Phone On

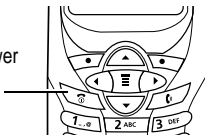
### Action


- 1 Press and hold



(End/Power key).


End/Power  
Key



- 2 If necessary, enter your SIM card PIN code and press **OK** () to unlock your SIM card.

**Note:** If you enter an incorrect PIN code 3 times in a row, your SIM card is disabled and your phone displays the message **SIM Blocked**.

---

- 3 If necessary, enter your 4-digit unlock code and press **OK** () to unlock your phone.

**Note:** The unlock code is originally set to 1234.  
(For more information, see page 37.)



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---

## Adjusting the Volume

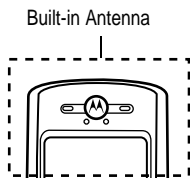
You can adjust your phone's earpiece and ring tone volume by pressing right and left on the :

When	You Can Adjust
you are in a call	earpiece speaker volume
the display is idle	ring tone volume

**Tip:** At the lowest ring tone volume setting, press  left once to switch to vibrate alert. Press it again to switch to silent alert. Press  right to cycle back to vibrate alert, then ring alert.

## Making a Call

A built-in antenna is in the top of your phone. Do not block it while you are on a call.



### Press

1 keypad keys

### To

dial the phone number

**Tip:** If you make a mistake, press **DELETE** () to delete the last digit, or press and hold **DELETE** () to delete all digits.

2



(Send/Answer key)

make the call

3



(Power/End key)

end the call and "hang up" the phone

## Answering a Call

When you receive a call, your phone rings and/or vibrates and displays an incoming call message.

**Press**

1 


**or**

**ANSWER** ()

**To**

answer the call

---

2  (end key) hang up when the call is done

---


---

**Note:** If the phone is locked, you must unlock it to answer the call.

## Viewing Your Phone Number

To view your phone number from the idle display, press

 .

While you are on a call, press  > **My Tel. Numbers**.

**Note:** You must store your phone number on your SIM card to use this feature. To store your phone number on your SIM card, see page 56. If you do not know your phone number, contact your service provider.

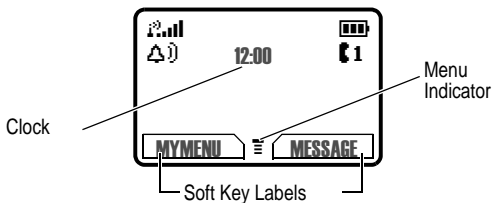
# Learning to Use Your Phone

---

See page 1 for a basic phone diagram.

## Using the Display

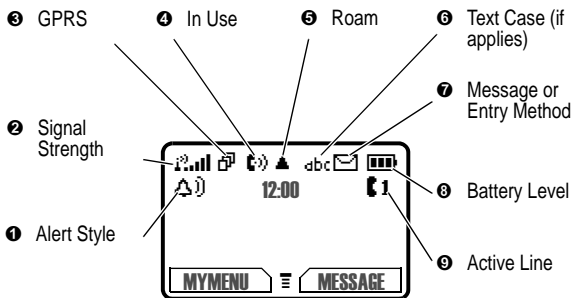
The *idle display* (shown below) is the standard display when you are not on a call or using the menu.



The ≡ (menu) indicator at the bottom center of the display indicates you can press the menu key (≡) to display the main menu to see more features.

Labels at the bottom corners of the display show the current soft key functions. Press the left soft key (◀) or right soft key (▶) to perform the function indicated by the left or right soft key label.

The following status indicators can appear:



**① Alert Style Indicator** Shows the currently selected alert style. The default alert style is **Loud Ring**.



**Loud Ring**



**Soft Ring**



**Vibrate**



**VibeCRing**



**Silent**

**② Signal Strength Indicator** Indicates the strength of your phone's connection with the network.

Strong No signal


You cannot make or answer calls when the “no signal” indicator displays.




**③ GPRS Indicator** Indicates that your phone is using a high-speed GPRS network connection (). GPRS allows faster data transfer speeds. The indicator does not mean that you are in a call; only that you are



registered on the network with a GPRS connection. Other possible indicators:

 GPRS PDP context active

 GPRS packet data available

**4 In Use Indicator** Indicates when you are on a call, and when you have a secure (🔒) or insecure (🔓) connection.



**5 Roam Indicator** Indicates when your phone uses another network outside your home network (📶). When you leave your home network area, your phone *roams* or seeks another network.

**6 Text Case Indicator** Indicates the text case when you are in a text editor.

abc No capital letters

ABC All capital letters

Abc Next letter capital


To change the case, press  (see page 36).



**7 Message or Entry Method Indicator** Indicates when you have an active Chat session, or when you have a new voice (🗣️) or text (✉️) message waiting. When you enter a text message, a number here indicates how many more characters can fit in the message.

Any time you enter text, an icon here indicates the entry method: **Symbol** (i@?), **Numeric** (123), **Primary**, or **Secondary**:

Primary	Secondary	
1	2	Tap, no capital letters
1↻	2↻	Tap, next letter capital
1↑	2↑	Tap, all capital letters
□	□	iTAP, no capital letters
□↻	□↻	iTAP, next letter capital
□↑	□↑	iTAP, all capital letters

To change the entry method, press  (see page 36).

**Battery Level Indicator** Shows the amount of charge left in your battery. The more bars visible, the greater the charge.

High     Low

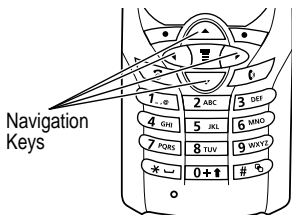
Recharge your battery as soon as possible when you see the **Low Battery** warning message and hear the low battery alert.

**Active Line Indicator** Shows **1** or **2** to indicate the currently active phone line.


## Using the 4-Way Navigation Keys

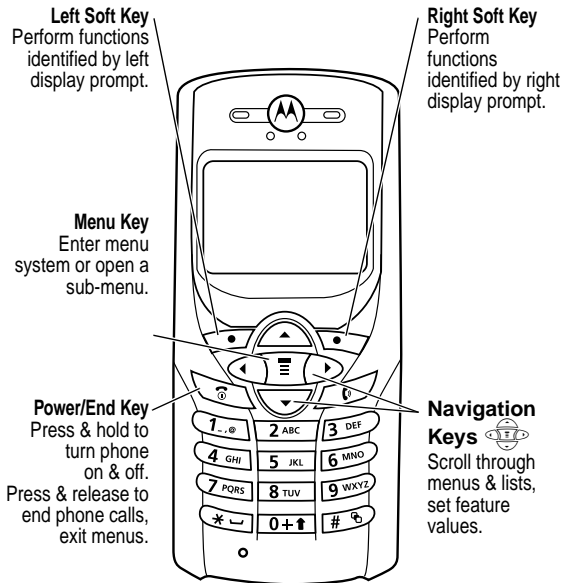
Use the 4-way navigation keys like a joystick to navigate the menu system, change feature settings, and play games.

**Tip:** Down and up are the primary movements within menus. Move left and right to change feature settings, navigate the datebook, and edit text.



## Using Menus

From the idle display, press  to display the main menu.





## Selecting a Menu Feature

From the idle display, select a menu feature as follows:

### Find the Feature

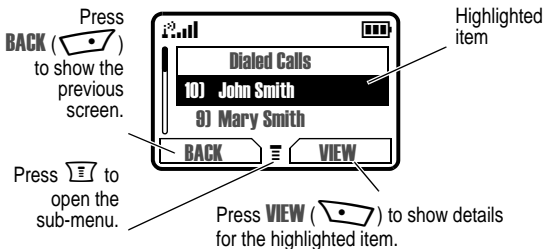
 > **Recent Calls**  
> **Dialed Calls**



This example shows that from the idle display, you must press , scroll to and select **Recent Calls**, then scroll to and select **Dialed Calls** to display the dialed calls list. Use  to scroll, and the left/right soft

keys to perform the functions in the bottom left and right corners of the display.

## Selecting a Feature Option

Some features require you to select an item from a list:

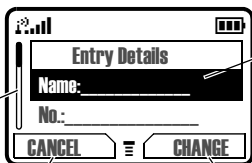


- Press  to scroll up or down to highlight an item.
- In a numbered list, press a number key to highlight the item.
- In an alphabetized list, press a key repeatedly to cycle through the letters on the key and highlight the closest matching list item.
- When an item has a list of possible values, press  left or right to scroll and select a value.
- When an item has a list of possible numeric values, press a number key to set the value.

## Entering Text


Some features require you to enter information.

Press  to scroll down to additional items.



Highlighted item

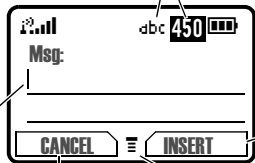
Press **CANCEL** () to exit without making changes. **DONE** () displays when you enter or edit information.

Press **CHANGE** () or number keys to edit the information.

The message center lets you compose and send text messages. A *flashing cursor* shows where text will appear:


For indicators, see page 24

Flashing cursor indicates insertion point.






Press **INSERT** () to view and insert stored text or objects.


Press **CANCEL** () to exit without making changes.

Press  to open the sub-menu.

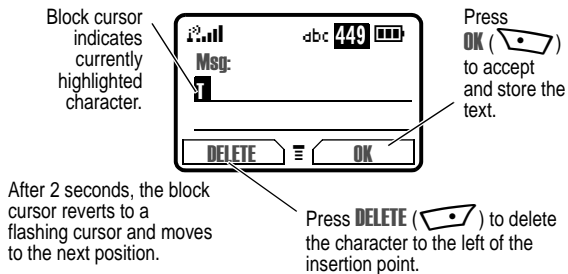
## Using the Tap Method

This is the standard method for entering text on your phone.

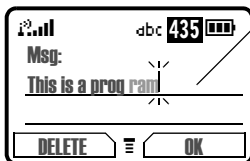
Press	To
1 A number key (one or more times)	select a letter, number, or symbol shown in the chart on page 31.
2 Number keys	enter remaining characters <b>Tip:</b> Press  right to accept a word completion, or  to insert a space
3 	store the text

In a text entry screen, you can press  to switch entry methods. An indicator tells you which method is active (see page 24). If **Tap Method** (icon 1 or 2) is not available, see page 37.

When you enter text using the standard tap method, the flashing cursor changes to a *block cursor*, and the soft key functions change:



When you enter 3 or more characters in a row, your phone may guess the rest of the word. For example, if you enter **prog** you might see:














In **Tap**, press  right to accept the word, or press  to reject it and enter a space after **prog**.

If you want a different word, such as **progress**, continue pressing number keys to enter the remaining characters.


## Character Chart

Use this chart as a guide for entering characters with the tap method.




	§ # ] [ / x + □ \$ % ¿ 1 " & ; _ ' , ? . ! @ - : ( ) ~ 0 j £ ¥ € * \ = > <
	a b c 2 ä å á à â ã α β ç
	d e f 3 δ è é ê ë φ
	g h i 4 ï î ï γ
	j k l 5 λ
	m n o 6 ñ ö ø ó ò ô õ ω
	p q r s 7 π β σ
	t u v 8 θ ü ú û ù
	w x y z 9 ξ ψ
	<i>change text case, for capital letters</i>
	<i>enter a space (hold to enter a return)</i>



change text entry method (hold for default)

**Note:** This chart may not reflect the exact character set available on your phone. In an email address or URL editor,  shows the common characters for that editor first.

## Tap Method Text Entry Rules

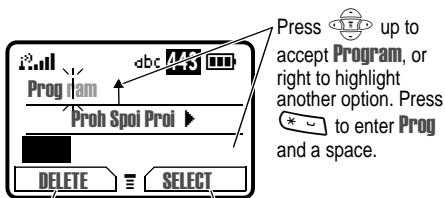
- Press a number key repeatedly to cycle through its characters. See the chart on page 31.
- If you do not press a key for 2 seconds, the character in the block cursor is accepted, and the cursor moves to the next position.
- Press  left or right to move the flashing cursor to the left or right in a text message.
- The first character of every sentence is capitalized. Press  down to force the character to lowercase while it is highlighted by the block cursor.
- Your phone may support multiple languages. The current language setting determines whether a new message begins on the left or right side of the display.
- If you enter or edit information and do not want to save the changes, press  to exit without saving.

## Using the iTAP™ Method

iTAP™ software provides a predictive text entry method that lets you enter a word using one key press per letter. This can be faster than the **Tap Method**, because your phone combines the key presses into common words.



For example, if you press    , letter combinations that match your key presses appear :








Press **DELETE** () to clear the last letter entered.

Press **SELECT** () to insert the highlighted word.

If you want a different word, such as **progress**, continue pressing number keys to enter the remaining characters.

## Entering Words

In a text entry screen, you can press  to switch entry methods. An indicator tells you which method is active (see page 24). If **ITAP** (icon  or ) is not available, see page 37.

Press	To
1 Number keys (one press per letter)	show possible letter combinations at the bottom of the display
2  right or left	highlight the combination you want
3 <b>SELECT</b> (  )	lock a highlighted combination You can press number keys to add more letters to the end of the combination.

or

## Press



## To

enter the highlighted combination when it spells a word

A space appears after the word.

---

---



If you enter a word your phone does not recognize, your phone stores it to use as one of your word options. When you fill memory space for unrecognized words, your phone deletes the oldest words as you add new words.

## *Using the Symbol Method*

In a text-entry screen, press  to switch entry methods until you see the Symbol icon ( !@# ) in the status bar.

## Press

1 Number keys  
(one press per symbol)

## To

show possible symbol combinations at the bottom of the display

---

2  right or left

highlight the combination you want

---

3 **SELECT** (  )

lock a highlighted combination

You can press number keys to add more symbols to the end of the combination

or

**Press**



**To**

enter the highlighted combination

A space appears after the combination.

---

---

## Symbol Chart


Use this chart as a guide for entering symbols in symbol method.

	.?! , @ _ & ~ :: ; " - ( ) ' ` ; i % £ \$ ¥ ¤ €
	@ _ \
	/ : ;
	" & '
	( ) [ ] { }
	¿ ¡ ~
	< > =
	\$ £ ¥ ¤ €
	# % *
	+ - x * / \ [ ] = > < # §
	<i>enter a space (hold to enter a return)</i>
	<i>change text entry method (hold for default)</i>

**Note:** In an email address or URL editor, shows the common characters for that editor first.



## Using the Numeric Method

In a text entry screen, press to switch entry methods until you see the Numeric icon (123) in the status bar.

Press keypad keys to enter the numbers you want. When you finish entering numbers, press  to switch to another entry method.


## Deleting Letters and Words

Place the cursor to the right of the text you want to delete, and then:


Do This	To
Press <b>DELETE</b> (  )	delete one letter at a time
Hold <b>DELETE</b> (  )	delete the entire message

## Choosing a Text Entry Method


Multiple text entry methods make it easy for you to enter names, numbers, and messages. The method you select remains active until you select another method.

Press  in any text entry screen to change to one of the following entry methods:

- Primary** The primary text entry method you set up (see the next section).
- Numeric** (123) Enter numbers only.
- Symbol** (!@?) Enter symbols only (see page 34).
- Secondary** The secondary text entry method you set up (see the next section).

Press  in any text entry screen to change your entry *case*. An icon in the status bar indicates when you select *no capital letters* (abc), *next letter capital only* (Abc), or *all capital letters* (ABC).

## Setting Up a Text Entry Method

To set the primary or secondary text entry methods, press  > **Entry Method** > **Entry Setup** from any text entry screen. Select **Primary Setup** or **Secondary Setup**, and choose:

- |                   |                                                                                      |
|-------------------|--------------------------------------------------------------------------------------|
| <b>(None)</b>     | Hide the <b>Secondary</b> setting (only available for <b>Secondary Setup</b> ).      |
| <b>ITAP</b>       | Let the phone predict each word as you press keys (see page 32).                     |
| <b>Tap Method</b> | Enter letters, numbers, and symbols by pressing a key 1 or more times (see page 30). |

## Locking and Unlocking Your Phone

You can lock your phone manually or set it to lock automatically whenever you turn it off.

A locked phone still rings or vibrates for incoming calls or messages, *but you must unlock it to answer*. To use a locked phone, enter the unlock code.

You can make emergency calls on your phone even when it is locked. See page 61.


## Locking Your Phone Manually

### Find the Feature

 > **Settings** > **Security**  
> **Phone Lock** > **Lock Now**

### Press

1 keypad keys

2 **OK** ()

### To

enter your 4-digit unlock code

lock the phone

## Unlocking Your Phone

At the **Enter Unlock Code** prompt:

### Press


1 keypad keys

### To

enter your 4-digit unlock code

The unlock code is originally set to 1234. If necessary, see “If You Forget a Code or Password” on page 39.

---

2 **OK** ()

unlock your phone

---

---

## Setting Your Phone to Lock Automatically

You can set your phone to lock every time you turn it off.

### Find the Feature

 > **Settings** > **Security**  
> **Phone Lock**  
> **Automatic Lock** > **On**

### Press

1 keypad keys

### To

enter your 4-digit unlock code

---

2 **OK** ()

set the phone to lock automatically

---

---

## Changing a Code or Password

Your 4-digit unlock code is originally set to 1234, and the 6-digit security code is originally set to 000000. Your service provider may reset these numbers before you receive your phone.

If your service provider has *not* reset these numbers, we recommend that you change them to prevent others from accessing your personal information or modifying your phone

settings. The unlock code must contain 4 digits, and the security code must contain 6 digits.

## Find the Feature



 > **Settings** > **Security**  
> **New Passwords**

You can reset your **Unlock Code**, **Security Code**, **SIM PIN2**, or **Bar Password** for call barring.

## *If You Forget a Code or Password*



If you forget your security code (originally set to 000000), SIM PIN, SIM PIN2, or call barring password, contact your service provider.

If you forget your unlock code, try entering 1234 or the last 4 digits of your phone number. If that does not work, do the following when you see the **Enter Unlock Code** message:

Press	To
1 	go to the unlock code bypass screen
2 keypad keys	enter your security code
3 <b>OK</b> (  )	submit your security code

## *Locking and Unlocking the Keypad*

You can lock the keypad to prevent accidental key presses (for example, when carrying your phone in a purse or pocket).

Press	To
 	lock or unlock the keypad

**Note:** *Incoming calls and messages unlock the keypad.*





# Highlight Features

---



You can do much more with your phone than make and receive calls! This chapter describes some of your phone's highlight features.

## Using the Micro-Browser



The micro-browser lets you access Web pages and Web-based applications on your phone. Contact your service provider to set up access, if necessary.

**Note:** Your phone may use a high-speed GPRS (General Packet Radio Service) network connection.

*This type of connection can be identified by a  GPRS indicator in the idle display that disappears when you start a micro-browser session. If a  (connected call) indicator displays when you start a micro-browser session, your phone is using a standard voice channel connection. Your network connection charges may vary depending on the type of connection used.*

## Starting a Micro-Browser Session

Find the Feature

 > **Web Access** > **Browser**

Press

To

1 

scroll to a bookmark or service, or application


---

2 **SELECT** ()

select the item




---

---

**Shortcut:** If you open a text message with a Web address (URL) in it, you can press  > **Go To** to launch the micro-browser and go directly to the URL.

If you are unable to establish a network connection with the micro-browser, contact your service provider.

## *Interacting With Web Pages*

<b>Press</b>	<b>To</b>
 up or down	scroll through a page
 left or right	go back to the previous page or forward to the next one
	open the <b>Browser Menu</b>

## *Downloading Pictures, Games, and Sounds*

You can download a picture, animation, sound, game upgrade, or theme from a Web page by selecting its link. A picture or animation displays when downloading is complete. A sound begins to play when downloading is complete.

You can store these object files on your phone, and use them as screen saver images, wallpaper images, and ring tones.

To download files with the browser on a desktop computer or your phone:

### **Downloading a File Using a Web Browser**

- 1 In the browser, go to the Web site and find the file you want.

---

- 2 Follow the directions on the site to purchase the file (payment details vary). The site sends a text message to your phone, containing the attached file or a URL link to the file.

---

- 3 Open the message and store the file.

---

## Notes:

- *Call charges apply during download sessions.*
- *When your phone runs out of memory for downloaded files, new files overwrite the old ones. Downloaded files share your phone's memory, so you can make room for a picture, for example, by deleting ring tones.*
- *Some games might make your phone vibrate, or light up the display, keys and side band.*
- *Some ring tones vibrate automatically. If you use one of these tones, your phone vibrates even when it is not set to **Vibrate** or **Vibe&Ring**.*

## Selecting or Creating a Web Session

Use this feature to select or create a *Web session*, or network connection profile. You can use different Web sessions to connect to the Internet in different ways.

### Find the Feature

-  > **Web Access**
- > **Web Sessions**
- > **[New Entry]**

To create a Web session, you must configure the following settings. Contact your service provider to obtain the following information, if necessary. Actual field names and values may vary depending on the technologies available to your service provider. Some settings may not be available for all phone models.

Setting	Description
<b>Name</b>	Web session name
<b>Homepage</b>	default home page
<b>Gateway IP 1</b>	primary WAP gateway IP address
<b>Port 1</b>	primary WAP port number
<b>Domain 1</b>	primary domain name

<b>Setting</b>	<b>Description</b>
<b>Service Type 1</b>	primary WAP or HTTP security
<b>Gateway IP 2</b>	secondary WAP gateway IP address
<b>Port 2</b>	secondary WAP port number
<b>Domain 2</b>	secondary domain name
<b>Service Type 2</b>	secondary WAP or HTTP security
<b>DNS 1</b>	primary domain name service (DNS) IP address
<b>DNS 2</b>	secondary domain name service (DNS) IP address
<b>Timeout</b>	time at which the phone exits the micro-browser application when no keypress activity is detected
<b>CSD No. 1</b>	primary phone number to use to set up a CSD connection
<b>User Name 1</b>	user name for primary CSD number
<b>Password 1</b>	password for primary CSD number
<b>Speed (Bps) 1</b>	connection speed for primary CSD number
<b>Line Type 1</b>	line type (modem or ISDN) for primary CSD number
<b>CSD No. 2</b>	secondary CSD dial-up phone number
<b>User Name 2</b>	user name for secondary CSD number
<b>Password 2</b>	password for secondary CSD number

Setting	Description
Speed (Bps) 2	connection speed for secondary CSD number
Line Type 2	line type (modem or ISDN) for secondary CSD number
GPRS APN	GPRS access point name (the name of the WAP service provider)
User Name	user name for GPRS APN connection
Password	password for GPRS APN connection

## Java Applications



You can install and run Java applications on your phone. These applications add new features and services to your phone.

You may see one of the following error messages when you download a kJava application. This section describes some common problems and their solutions.

Problem	Resolution
Insufficient Storage or Memory Full	You must delete another Java application before storing the file. See page 46.
Application Already Exists	The same version of this application is already installed. If an older version is installed, the message <b>Different Version Exists</b> appears, and you can update the application.

Problem	Resolution
Failed: Invalid File or Failed: File Corrupt	The application file does not work on your phone. Contact the Web site host for details.

*Note: Some games make your phone vibrate and light up.*






## Launch a Java Application

Find the Feature

 > **Games & Apps**  
> *the application*

## Use Control Keys

Your phone's keys perform the following functions in a Java application.

Key	Function
	Move up, down, left, or right in a game.
	"Fire" your weapon in a game.
	End the application.
	Call a number in the application.
	Open the Java applications menu.

## Analyze or Delete a Java Application

Find the Feature




 > **Games & Apps**

Press

1 

To

scroll to the application

<b>Press</b>	<b>To</b>
2 	open the application manager menu
3 	scroll to a menu option
4 <b>SELECT</b> (  )	select the option to perform procedures as described in the following list

The application manager menu includes the following options:

<b>Option</b>	<b>Description</b>
<b>View Details</b>	Display the suite name, vendor, version, number of apps, flash usage, and memory requirements.
<b>Delete</b>	Delete the suite.
<b>Show Memory or Hide Memory</b>	Show or hide the application's memory size in the application list view.

## *Edit Network Connection Settings*

### **Entering the DNS IP Address**

Your phone must be set up with a valid domain name service (DNS) IP address before you can run Java applications that require an active network connection. In many cases, your service provider has already entered this address for you. Contact your service provider to obtain the DNS IP address, if necessary.

#### **Find the Feature**

 > **Java Settings** > **DNS IP**

#### **Press**

1 keypad keys

#### **To**

enter the DNS IP address

**Press**

**2** **OK** ()

**To**

save the IP address

---

---

## Approving Connections

When a Java application tries to establish a network connection, your phone prompts you to approve the connection. To automatically approve connections for Java applications:

**Find the Feature**

 **> Java Settings**  
**> Network Access**

**Press**

**1** 

**To**

scroll to **Always Ask**,  
**Ask Once Per App**, or **Never Ask**

---

**2** **SELECT** ()

select the highlighted setting

---

---

## View Java Version and Available Memory

To view Java version information, or the amount of phone memory available for Java applications:

**Find the Feature**

 **> Java Settings**  
**> Java System**


**Press**

**1** 

**To**

scroll through information as  
described in the following list

---

**2** **OK** ()

close the display

---

---

Option	Displays
<b>CLDC Version</b>	The connected limited device configuration version on your phone.



Option	Displays
<b>MIDP Version</b>	The mobile information device profile version on your phone.
<b>Data Space</b>	Memory available for application data (such as phonebook entries or game scores).
<b>Program Space</b>	Amount of free memory available for Java applications.
<b>Heap Size</b>	Amount of runtime memory available for Java applications.
<b>Flash Space</b>	Available space for Java applications, including free memory and used memory.

To automatically show an application's memory size in the application list view, see page 48.

## *Picture Viewer*

Your phone contains pictures and animations that you can insert into text messages, and use as wallpaper and screen saver images.

To download pictures or animations, see page 42. Your phone may also include predefined images. You cannot rename, delete, or view details about predefined images.

### **Find the Feature**

 > **Media Center** > **Pictures**

### **Press**

1 

### **To**

scroll to the picture or animation name


2 **SELECT** ()

view the picture or animation

**Press**

**3**  up or down

**or**

**DETAILS** 

**or**



**To**

view the previous/next picture

view picture information

open the **Picture Viewer** menu to perform other procedures as described in the following list

---

---

The **Pictures** menu can include the following options:

<b>Option</b>	<b>Description</b>
<b>Details</b>	View picture information.
<b>Set as Wallpaper</b>	Set the picture as your wallpaper image.
<b>Set as Screen Saver</b>	Set the picture as your screen saver image.
<b>Set as Power-Up Animation</b>	Set the animation to appear when you turn on your phone (animation only).
<b>Rename</b>	Rename the picture.
<b>Delete</b>	Delete the picture.
<b>Send</b>	Open a text message with the picture attached.
<b>Free Space</b>	Check the space available for more pictures and animations

## Playing Games





Your phone comes with 2 games preloaded (3 games in some regions) and you have the opportunity to purchase and download additional games. If you get an incoming call, message, alarm, or alert while playing a game, the game pauses.

### Selecting and Starting a New Game

Find the Feature

 > **Games & Apps**  
> *the game*


When the game is over, you can play again or return to the games menu. Depending on the game:

Press	To
<b>BACK</b> (  or <b>NO</b> ( 	return to the games menu
<b>NEW</b> (  or <b>YES</b> ( 	start another session of the game you just played

### Ending a Game

You can end a game at any time.

Press

**BACK** (

or



To

end the game session and return to the games menu

## Editing Sound with MotoMixer

The MotoMixer lets you edit and save special MIDI-based sound files called *Groove Tunes* on your phone. These sound files are made up of 4 instruments such as *piano, bass, drums, and guitar*. The phone comes preloaded with base tracks (which cannot be edited or deleted), but you can download others and use them all to create or edit your own MIDI files.

### Create or Edit a Mix File










To create or edit a MotoMixer file:

#### Find the Feature










 > **Media Center** > **MotoMixer**  
> **[New Mix]** or  
*a tune to edit*


#### Press



#### To

- |    |                                                                                                       |                                                                             |
|----|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| 1  |                      | scroll to the base track                                                    |
| 2  | <b>SELECT</b> (  )   | select the base track                                                       |
| 3  | <b>CHANGE</b> (  )   | select <b>Name</b>                                                          |
| 4  | keypad keys                                                                                           | enter a name for the mix file you are creating (to enter text, see page 29) |
| 5  | <b>OK</b> (  )       | store the name                                                              |
| 6  | <b>CHANGE</b> (  ) | select <b>Tempo</b>                                                         |
| 7  |  left or right     | adjust the tempo setting                                                    |
| 8  | <b>OK</b> (  )     | store the tempo setting                                                     |
| 9  | <b>CHANGE</b> (  ) | select <b>Mix</b> to open the mix editor                                    |
| 10 | <b>MIX</b> (  )    | start playing/mixing the track                                              |



Key	Effect
	Turn on/off second instrument ( <b>Bass</b> above)
	Add effect to second instrument
	Set variant for second instrument
	Turn on/off third instrument ( <b>Drums</b> above)
	Add effect to third instrument
	Set variant for third instrument
	Turn on/off fourth instrument ( <b>Guitar</b> above)
	Add effect to fourth instrument
	Set variant for fourth instrument

The track plays one time and then stops. Press **PLAY** () again to continue mixing the track. Use the following keys to perform additional mix functions:

	Open the <b>Mix Menu</b> to reset 1 or all instruments
<b>BACK</b> (  )	Return to the <b>Mix Details</b> display when you are finished mixing

**Note:** To download new MotoMixer files, see page 42.

## Use, Edit, or Delete a Mix File

To edit or delete a mix file, or set a mix file as a ring tone:

**Find the Feature**

 > **Media Center** > **MotoMixer**




**Press**

1



**To**

scroll to the file you want

Press	To
2 	open the mix menu
3 	scroll to <b>Edit, Delete, Play, or Set as Ring Tone</b>
4 <b>SELECT</b> (  )	select the option

## *Using SIM Applications*



Your SIM card may contain applications that process your outgoing calls, text messages, and other events. Contact your service provider for more information.

**Find the Feature**

 > **SIM Applications**

*Note: To download new applications, see page 42.*

# Setting Up Your Phone

---

## Storing Your Name and Phone Number

To store or edit your name and phone number information on your SIM card:

### Find the Feature

 > **Settings** > **Phone Status**  
> **My Tel. Numbers**

If you do not know your phone number, contact your service provider. To view your phone number from the idle display or during a call, see page 22.

## Setting the Time and Date

To use the datebook, you must set the time and date.

### Find the Feature

 > **Settings** > **Other Settings**  
> **Initial Setup**  
> **Time and Date**

## Setting an Alert Style

Your phone can ring or vibrate when you receive a call, message, or other event. This is called an *alert*. An indicator in the display shows the current alert style:

 **Loud Ring**

 **Soft Ring**

 **Vibrate**

 **Vibe & Ring**



 **Silent**


To set an alert style:

### Find the Feature

 > **Alert Styles** > **Ring Style**



Press	To
1 	scroll to the style
2 <b>SELECT</b> (  )	select the style

**Tip:** You can choose a single theme to set your wallpaper, screen saver, alert style, and other settings. From idle, press  > **Media Center** > **Themes** and select a theme.

Each alert style has settings for specific event alerts and ringer and keypad volume. To change these settings:

**Find the Feature**  > **Alert Styles** > *Loud Detail*

*Loud* changes to the name of the current Ring Style.

**Note:** *Some ring tones vibrate automatically. If you use one of these tones, your phone vibrates even when it is not set to **Vibrate** or **Vibe&Ring**.*

## Setting Answer Options

You can use different methods to answer an incoming call.

**Find the Feature**  > **Settings** > **In-Call Setup**  
> **Answer Options**

**Multi-Key** answer by pressing any key


## Setting a Wallpaper Image

You can set a picture or an animation as a wallpaper (background) image in your phone's idle display.

**Note:** *When you set an animation as a wallpaper image, only the first frame of the animation displays.*

**Find the Feature**  > **Settings** > **Other Settings**  
> **Personalize** > **Wallpaper**

Setting	Description
Picture	select the picture or animation for the background image in your idle display
Layout	select <b>Center</b> or <b>Tile</b>


**Tip:** You can choose a single theme to set your wallpaper, screen saver, alert style, and other settings. From idle, press  > **Media Center** > **Themes** and select a theme.

## Selecting a Screen Saver


You can set a picture or an animation as a screen saver image. The image displays when the phone detects no activity for a specified time.

The screen saver image shrinks to fit the display, if necessary. An animation repeats for 1 minute, then the first frame of the animation displays.

### Find the Feature

 > **Settings** > **Other Settings**  
 > **Personalize**  
 > **Screen Saver**

Setting	Description
Picture	select the picture that appears when your phone is idle
Delay	select how long your phone must be idle before the screen saver picture appears

**Tip:** You can choose a single theme to set your wallpaper, screen saver, alert style, and other settings. From idle, press  > **Media Center** > **Themes** and select a theme.

## ***Setting Display Color***

You can select the color palette that your phone uses to display indicators, highlights, and soft key labels.

**Find the Feature**

 > **Settings** > **Other Settings**  
> **Personalize** > **Color Style**

## ***Setting Display Contrast***

**Find the Feature**

 > **Settings** > **Other Settings**  
> **Initial Setup** > **Contrast**



## ***Adjusting the Backlight***

You can set the amount of time that the display backlight remains on, or turn off the backlight to conserve battery power.

**Find the Feature**

 > **Settings** > **Other Settings**  
> **Initial Setup** > **Backlight**

## ***Zooming In and Out***

Press and release , then press and hold  to zoom in and out on the display. Zoom in to increase text size, zoom out to display more information.

You can also zoom in and out from the menu.

**Find the Feature**

 > **Settings** > **Other Settings**  
> **Initial Setup** > **Zoom**

## ***Conserving Battery Power***



Some networks and phones include a battery save setting to conserve battery power.

### **Find the Feature**

-  > **Settings** > **Other Settings**
- > **Initial Setup**
- > **Battery Save**




# Calling Features

---

For basic instructions on how to make and answer calls, see page 21.

## Redialing a Number

From the idle display:

Press	To
1 	view the dialed calls list
2 	scroll to the entry you want
3 	redial the number


---

---

## Calling an Emergency Number

Your service provider programs one or more emergency phone numbers (such as 112 or 911) that you can call under any circumstances, even when your phone is locked.

***Note:** Emergency numbers vary by country. Your phone's emergency number(s) may not work in all locations, and sometimes an emergency call cannot be placed due to network, environmental, or interference issues.*

Press	To
1 keypad keys	dial the emergency number
2 	call the emergency number

---

---

## Using Voicemail



You can listen to your voicemail messages by calling your network voicemail phone number. Voicemail messages are stored on the network—not on your phone.

## Storing Your Voicemail Number

Storing your voicemail number in your phone makes it easy for you to listen to new voicemail messages. Your voicemail number is provided by your service provider.

### Find the Feature

-  > **Messages**
-  > **VoiceMail Setup**
- > **VoiceMail No.**

### Press

1 keypad keys

### To

enter the phone number for your voicemail

---

2 **OK** ()

store the number


---

**Note:** You cannot store pause, wait, or n characters in this number. If you want to store a voicemail number with these characters, create a phonebook entry for it. Then, you can use the entry to call your voicemail. For more about these characters, see page 71.

## *Receiving a New Voicemail Message*

When you receive a voicemail message, your phone displays  (voice message waiting) and **New VoiceMail**. Some networks only indicate when you have messages, whether they are new or not.

### **Press**

**CALL** ()

### **To**

call the voicemail phone number you stored and listen to the message

---

---

## *Listening to a Voicemail Message*

### **Find the Feature**

 > **Messages** > **VoiceMail**

Your phone calls your voicemail number. If no voicemail number is stored, the phone prompts you to store one.





# Phone Features







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## Main Menu

This is the standard main menu layout. **Menu organization and feature names may vary on your phone.** Not all features may be available for all users.

-  **Voice Dial**
-  **Phonebook**
-  **Recent Calls**
  - Received Calls
  - Dialed Calls
  - Notepad
  - Call Times
  - Call Cost
  - Data Times
  - Data Volumes
-  **Chat \***
-  **Alert Styles**
  - Ring Style
  - alert Detail
-  **Media Center**
  - Themes
  - Pictures
  - Sound
  - MotoMixer
-  **Games & Apps**
-  **WebAccess**
  - Browser
  - Web Shortcuts
  - Stored Pages
  - History
  - Go to URL
  - Web Sessions
  - Browser Setup
-  **Office Tools**
  - Datebook
  - Calculator

## More

-  **Alarm Clock**
-  **Settings**
  - (see next page)
-  **MyMenu**
-  **Messages \***
  - Create Message
  - Voicemail
  - Message Inbox
  - Browser Msgs
  - Info Services
  - Quick Notes
  - Outbox
  - Drafts
-  **SIM Applications \***
-  **Fixed Dial**
-  **Service Dial \***
-  **Quick Dial**
-  **Java Settings**
  - Java App Loader
  - Java System
  - Network Access
  - DNS IP

**Note:** Select **More** when it appears in the menu to see more menu items.





\* optional network, SIM card, or subscription-dependent features

# Settings Menu

- **Call Forward \***
  - Voice Calls
  - Fax Calls
  - Data Calls
  - Cancel All
  - Forward Status
- **Phone Status**
  - My Tel. Numbers
  - Credit Info/Available \*
  - Active Line
  - Battery Meter
  - Other Information
- **In-Call Setup**
  - In-Call Timer
  - Call Cost Setup \*
  - My Caller ID
  - Talk and Fax \*
  - Answer Options
  - Call Waiting \*
- **Security**
  - Phone Lock
  - Lock Keypad
  - Lock Application
  - Fixed Dial
  - Call Barring \*
  - SIM PIN
  - New Passwords
- **Other Settings**
  - Personalize
    - Main Menu
    - Keys
    - Color Style
    - Greeting \*
    - Wallpaper
    - Screen Saver
    - Quick Dial \*
  - Initial Setup
    - Time and Date
    - 1-Touch Dial
    - Backlight
    - Zoom
    - Scroll
    - Animation
    - Language
    - Battery Save
    - Contrast
    - DTMF
    - Master Reset
    - Master Clear
  - Network
    - New Network
    - Network Setup
    - Available Networks
    - My Network List
    - Service Tone
    - Call Drop Tone
  - Car Settings
  - Headset

**Note:** This is the standard phone menu layout. Menu organization and feature names may vary on your phone. Not all features may be available for all users.

\* optional network, SIM card, or subscription-dependent features

<b>Open Phonebook:</b> Press  ▲ or ▼ in idle
<b>Set Ring Volume:</b> Press  ◀ or ▶ in idle
<b>Change Display Zoom:</b> Press  , then hold 











## Feature Quick Reference












You can do more with your phone than make and receive phone calls! For example, you can:





















- store frequently called numbers in the phonebook for easy dialing
- organize your meetings and other events in the datebook
- browse the Web
- download applications
- send messages

This section provides information to help you use features on your phone that are not described in this user guide. For more detailed information, see the reference guide.






### Calling Features

Feature	Description	
<b>Mute a Call</b>	During a call, press <b>MUTE</b>  To unmute, press <b>UNMUTE</b> 	
<b>Conference Call</b>	During a call:  > <b>Hold</b> , dial next number, press  , press <b>LINK</b> 	
<b>Call Forwarding</b>	Set up or cancel call forwarding:  > <b>Settings</b> > <b>Call Forward</b>	
<b>Call Barring</b>	Restrict outgoing or incoming calls:  > <b>Settings</b> > <b>Security</b> > <b>Call Barring</b>	









Feature	Description
<b>Caller ID</b>	<p><i>Calling line identification</i> (caller ID) displays the phone number for incoming calls. To hide your phone number before you make a call or send a message:</p> <p> &gt; <b>Settings</b> &gt; <b>In-Call Setup</b> &gt; <b>My Caller ID</b> &gt; <b>Next Call Only</b></p> 
<b>Cancel an Incoming Call</b>	<p>While the phone is ringing or vibrating, press <b>IGNORE</b> ().</p> <p>The call may be forwarded, or the caller may hear a busy signal.</p> 
<b>Turn Off an Alert</b>	<p>To turn off your call alert when an incoming call arrives, press  left or right before answering the call.</p>
<b>Dial Internat'l Numbers</b>	<p>Press  for 2 seconds to insert the international access code (+). Follow this with the country code and the number you are calling.</p>
<b>View Recent Calls</b>	<p> &gt; <b>Recent Calls</b> &gt; <b>Received Calls</b> or <b>Dialed Calls</b></p> <p><b>Note:</b> ✓ means the call connected.  Select a call and press  to dial it, or press  for more options.</p>
<b>Return Missed Calls</b>	<p>When your phone displays <b>Missed Calls</b>, press <b>VIEW</b> () to see the list of calls, and press  to dial the selected call.</p>

Feature	Description
<b>View Last Entry</b>	To see the last digits you entered:  > <b>Recent Calls</b> > <b>Notepad</b>
<b>Attach a Number</b>	While entering a phone number, press  > <b>Attach Number</b> to attach a number from the phonebook or recent calls list.
<b>Speed Dial</b>	Call a phonebook entry by pressing its <b>Speed Dial No.</b> plus   . <b>Example:</b> Press     to dial phonebook entry <b>22</b> .
<b>1-Touch Dial</b>	Call phonebook entries <b>1</b> through <b>9</b> by pressing and holding the entry number in the idle display.
<b>Call Waiting</b>	While you are on a call, you can press  to answer a second incoming call. Then, press <b>SWITCH</b> (  ) to switch between the calls or <b>LINK</b> (  ) to connect them.  To turn call waiting on or off:  > <b>Settings</b> > <b>In-Call Setup</b> > <b>Call Waiting</b>
<b>Put a Call on Hold</b>	During the call, press  > <b>Hold</b> . Your phone displays a  (flashing phone) when a call is on hold.
<b>Transfer a Call</b>	During a call, press  > <b>Transfer</b> ( <i>target number</i> )  to transfer it. <b>Note:</b> You can also press  > <b>Hold</b> ( <i>target number</i> )  , speak to the receiving party, then  > <b>Transfer</b>







## Message Features







Feature	Description
<b>Send Message</b>	Send a text message:  > <b>Messages</b> > <b>Create Message</b> To enter text, see page 29.
<b>Insert Pictures and Sounds</b>	While composing a message:  > <b>Insert</b>
<b>Received Messages</b>	Read received messages:  > <b>Messages</b> > <b>Message Inbox</b>  Press  to perform various operations on the selected message.
<b>Store Pictures and Sounds</b>	Highlight a picture or sound in a message, then:  > <b>Store</b>

## Chat Features




Feature	Description
<b>Start Chat</b>	Start a new chat session:  > <b>Chat</b>  > <b>New Chat</b> 
<b>Receive Chat Request</b>	When you receive a chat request: Press <b>ACCEPT</b> (  ) or <b>IGNORE</b> (  ) 
<b>End Chat</b>	During a chat session:  > <b>End Chat</b> 

## Phonebook Features







Feature	Description
<b>Create Entry</b>	Create a new phonebook entry:  > <b>Phonebook</b>  > <b>New</b> > <b>Phone Number</b> or <b>Email Address</b>
<b>Dial Number</b>	Call a number in the phonebook:  > <b>Phonebook</b> > <i>entry to call</i> 
<b>Voice Dial Number</b>	Voice dial a number in the phonebook: Press  > <b>Voice Dial</b> , and say the entry's name (in 2 seconds)
<b>Store a PIN Code in a Number</b>	While entering the number:  > <b>Insert Pause</b> , <b>Wait</b> , or <b>'n'</b> <b>Pause:</b> waits for the call to connect, then sends the remaining digit(s). If your network does not recognize the first pause character, try two (pp). <b>Wait:</b> waits for the call to connect, then prompts you for confirmation before it sends the remaining digit(s). <b>'n':</b> prompts you for a number before dialing the call. The number you enter is inserted into the dialing sequence in place of the n character

Feature	Description
<b>Phonebook Categories</b>	<p>You can put phonebook entries into categories. When you get a call or message from someone in a category, your phone uses the category's special ring.</p> <p>To set up a category, press  &gt; <b>Phonebook</b>  &gt; <b>Categories</b>. Scroll to the category, then press  &gt; <b>Edit</b></p> <p>To set an entry's category, press  &gt; <b>Phonebook</b> &gt; <i>entry to edit</i>, then press <b>EDIT</b> ().</p>
<b>1-Touch Dial</b>	<p>Set 1-touch dial to call entries stored in your phone memory phonebook or the SIM card phonebook:</p> <p> &gt; <b>Settings</b> &gt; <b>Other Settings</b> &gt; <b>Initial Setup</b> &gt; <b>1-Touch Dial</b></p>



## Personalizing Features


Feature	Description
<b>Event Alert</b>	<p>Change an event alert:</p> <p> &gt; <b>Alert Styles</b> &gt; <i>alert Detail</i> &gt; <i>event name</i></p>
<b>Ring Volume</b>	<p>Adjust ringer volume:</p> <p> &gt; <b>Alert Styles</b> &gt; <i>alert Detail</i> &gt; <b>Ring Volume</b></p>
<b>Keypad Volume</b>	<p>Adjust keypad key press volume:</p> <p> &gt; <b>Alert Styles</b> &gt; <i>alert Detail</i> &gt; <b>Key Volume</b></p>










Feature	Description
<b>My Tones</b>	Compose your own ring tones, manage ring tones that you have composed or downloaded:  > <b>Media Center</b> > <b>MotoMixer</b>
<b>Themes</b>	Apply the wallpaper, screen saver, alert style, and other settings in a theme:  > <b>Media Center</b> > <b>Themes</b>
<b>Main Menu</b>	Reorder your phone's main menu:  > <b>Settings</b> > <b>Other Settings</b> > <b>Personalize</b> > <b>Main Menu</b>
<b>Soft Keys</b>	Change soft key labels in the idle display:  > <b>Settings</b> > <b>Other Settings</b> > <b>Personalize</b> > <b>Keys</b>
<b>Shortcuts</b>	Create a shortcut to a menu item: Highlight the menu item, then press and hold  .  Select a shortcut:  > <b>MyMenu</b> > <i>shortcut name</i>



## Menu Features

Feature	Description
<b>Language</b>	Set menu language:  > <b>Settings</b> > <b>Other Settings</b> > <b>Initial Setup</b> > <b>Language</b>
<b>Master Reset</b>	Reset all options <i>except</i> unlock code, security code, lifetime timer:  > <b>Settings</b> > <b>Other Settings</b> > <b>Initial Setup</b> > <b>Master Reset</b>

Feature	Description
<b>Master Clear</b>	Reset all options <i>except</i> unlock code, security code, lifetime timer, clear all user settings and entries:  > <b>Settings</b> > <b>Other Settings</b> > <b>Initial Setup</b> > <b>Master Clear</b>

## Dialing Features





Feature	Description	
<b>Fixed Dial</b>	Turn fixed dialing on or off:  > <b>Settings</b> > <b>Security</b> > <b>Fixed Dial</b>  Use the fixed dial list:  > <b>Fixed Dial</b>	
<b>Service Dial</b>	Dial service phone numbers:  > <b>Service Dial</b>	
<b>Quick Dial</b>	Dial pre-programmed phone numbers:  > <b>Quick Dial</b>	



Feature	Description
<b>DTMF Tones</b>	<p>Activate DTMF tones:   &gt; <b>Settings</b> &gt; <b>Other Settings</b>            &gt; <b>Initial Setup</b> &gt; <b>DTMF</b></p> <p>Send DTMF tones during a call:            Press number keys</p> <p>Send stored numbers as DTMF tones during a call:            Highlight a number in the phonebook or recent call lists, then press             &gt; <b>Send Tones</b></p>

## Call Monitoring Features



*Network connection time* is the elapsed time from the moment you connect to your service provider's network to the moment you end the call by pressing the end key. This time includes busy signals and ringing.

The amount of network connection time you track on your resettable timer may not equal the amount of time for which you are billed by your service provider. For billing information, please contact your service provider directly.





Feature	Description
<b>Call Times</b>	<p>View call timers:   &gt; <b>Recent Calls</b> &gt; <b>Call Times</b></p> 
<b>In-Call Timer</b>	<p>Display time or cost information during a call:   &gt; <b>Settings</b> &gt; <b>In-Call Setup</b>            &gt; <b>In-Call Timer</b></p> 

Feature	Description
<b>Call Cost</b>	View call cost trackers:  > <b>Recent Calls</b> > <b>Call Cost</b> 



## *Hands-Free Features*

Feature	Description
<b>Auto Answer</b> (car kit or headset)	Automatically answer calls when connected to a car kit or headset:  > <b>Settings</b> > <b>Other Settings</b> > <b>Car Settings</b> or <b>Headset</b> > <b>Auto Answer</b> 











## *Data and Fax Call Features*







Feature	Description
<b>Send Data or Fax</b>	Connect your phone to the device, then place the call through the device application 
<b>Talk Then Fax</b>	Connect your phone to the device, enter the number, press  > <b>Talk then Fax</b> , then press  to make the call 

## Network Features



Feature	Description
<b>Network Settings</b>	<p>View network information and adjust network settings:</p> <p> &gt; <b>Settings</b> &gt; <b>Other Settings</b> &gt; <b>Network</b></p> 

## Personal Organizer Features


Feature	Description
<b>Add Datebook Event</b>	<p>Add an event to the datebook:</p> <p> &gt; <b>Office Tools</b> &gt; <b>Datebook</b> &gt; <i>day</i></p> <p> &gt; <b>New</b></p>
<b>View Datebook Event</b>	<p>View or edit event details:</p> <p> &gt; <b>Office Tools</b> &gt; <b>Datebook</b> &gt; <i>day</i> &gt; <i>event name</i></p>
<b>Respond to Event Reminder</b>	<p>View event when reminder appears: <b>VIEW</b> ()</p> <p>Dismiss event reminder: <b>EXIT</b> ()</p>
<b>Set Alarm Clock</b>	<p>You can set alarms to make your phone ring.</p> <p> &gt; <b>Alarm Clock</b> &gt; [<b>New Alarm</b>]</p> <p>Alarms do <i>not</i> appear in the datebook and do not ring if your phone is off.</p>
<b>View Alarm Clock</b>	<p>To see or change an alarm you set:</p> <p> &gt; <b>Alarm Clock</b> &gt; <i>the alarm</i></p> <p>Scroll () to the alarm. Press the right softkey () to <b>ENABLE</b> or <b>DISABLE</b> the alarm. Press  for more options.</p>







Feature	Description
<b>Respond to Alarm</b>	Alarms ring for 30 minutes unless you press <b>DISABLE</b> (  ) to turn off the alarm, or <b>SNOOZE</b> (  ) to snooze for 8 minutes.
<b>Calculator</b>	Calculate numbers:  > <b>Office Tools</b> > <b>Calculator</b>
<b>Currency Converter</b>	Convert currency:  > <b>Office Tools</b> > <b>Calculator</b>  > <b>Exchange Rate</b>  Enter exchange rate, press <b>OK</b> (  ), enter amount, select \$ function

## Security Features

Feature	Description
<b>SIM PIN</b>	Lock or unlock the SIM card:  > <b>Settings</b> > <b>Security</b> > <b>SIM PIN</b>  <b>Caution:</b> If you enter an incorrect PIN code 3 times in a row, your SIM card is disabled and your phone displays <b>SIM Blocked</b> .
<b>Lock Application</b>	Lock phone applications:  > <b>Settings</b> > <b>Security</b> > <b>Lock Application</b>

## News and Entertainment Features

Feature	Description
<b>Launch Micro-Browser</b>	Start a micro-browser session:  > <b>Web Access</b> > <b>Browser</b>

Feature	Description
<b>Web Sessions</b>	Select or create a Web session:  > <b>Web Access</b> > <b>Web Sessions</b>
<b>Launch Game or Application</b>	Launch a game or application:  > <b>Games &amp; Apps</b> , highlight the application, press <b>SELECT</b> (  )
<b>Java Permissions</b>	Edit network connection settings for Java games and applications:  > <b>Java Settings</b>
<b>Application Manager</b>	View information about a Java game or application: Highlight the application and press 
<b>Java System</b>	View Java version and memory information:  > <b>Java Settings</b> > <b>Java System</b>

# *Specific Absorption Rate Data*

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**This model phone meets the international standards for exposure to radio waves.**

Your mobile phone is a radio transmitter and receiver. It is designed and manufactured not to exceed limits for exposure to radio frequency (RF) energy. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The guidelines include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. Under the guidelines for your phone model, the SAR limit is 2.0 W/kg.<sup>1</sup> Tests for SAR are conducted in accordance with CENELEC<sup>2</sup> testing procedures using standard operating positions with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a base station, the lower the power output of the phone.

Before a phone model is available for sale to the public, it is tested to confirm compliance with the guidelines. The tests are performed in positions that conform to a uniform testing methodology determined by an expert standards body. The highest SAR value for this model phone when tested for use at the ear is 0.92 W/kg.<sup>3</sup>

While there may be differences between the SAR levels of various phones and at various positions, they all meet the governmental



requirements for safe exposure. Please note that improvements to this product model could cause differences in the SAR value for later products; in all cases, products are designed to be within the guidelines.

1. The SAR limit recommended by international guidelines (ICNIRP) for mobile phones used by the public is 2.0 watts/kilogram (W/kg) averaged over ten grams of tissue. The limit incorporates a substantial margin for safety to give additional protection for the public and to account for any variations in measurements.
2. CENELEC is a European Union standards body.
3. Additional related information includes the Motorola testing protocol, assessment procedure, and measurement uncertainty range for this product.



# *Warranty Information*

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Motorola guarantees you, the original purchaser, the Personal Communicator and accessories which you have purchased from an authorised Motorola dealer (the "Products"), to be in conformance with the applicable Motorola specifications current at the time of manufacture for a term of [1] year from date of purchase of the Product(s) (Warranty Term).

You must inform Motorola of the lack of conformity to the applicable specifications of any of the Products within a period of two (2) months from the date on which you detect a defect in material, workmanship or lack of conformity and in any event within a term not to exceed the Warranty Term, by submitting the Product for service to Motorola. Motorola shall not be bound by Product related statements not directly made by Motorola nor any warranty obligations applicable to the seller.

A list of the Motorola Call Centre numbers is enclosed with this Product.

During the Warranty term, Motorola will, at its discretion and without extra charge, as your exclusive remedy, repair or replace your Product which does not comply with this warranty; or failing this, to reimburse the price of the Product but reduced to take into account the use you have had of the Product since it was delivered. This warranty will expire at the end of the Warranty Term.

This is the complete and exclusive warranty for a Motorola Personal Communicator and accessories and in lieu of all other warranties, terms and conditions, whether express or implied.

Where you purchase the product other than as a consumer, Motorola disclaims all other warranties, terms and conditions express or implied, such as fitness for purpose and satisfactory quality.

In no event shall Motorola be liable for damages nor loss of data in excess of the purchase price nor for any incidental special or consequential damages\* arising out of the use or inability to use the Product, to the full extent such may be disclaimed by law.

This Warranty does not affect any statutory rights that you may have if you are a consumer, such as a warranty of satisfactory quality and fit for the purpose for which products of the same type are normally used under normal use and service, nor any rights against the seller of the Products arising from your purchase and sales contract.

(\*including without limitation loss of use, loss of time, loss of data, inconvenience, commercial loss, lost profits or savings.

### ***How to get warranty service?***

In most cases the authorised Motorola dealer which sold and/or installed your Motorola Personal Communicator and original accessories will honour a warranty claim and/or provide warranty service. Alternatively, for further information on how to get warranty service please contact either the customer service department of your service provider or Motorola's call centre at the telephone numbers below for your country.

In order to claim the warranty service you must return the Personal Communicator and/or accessories in question to Motorola please avoid leaving any supplementary items like SIM cards. The Product should also be accompanied by a label with your name, address, and telephone number; name of operator and a description of the problem. In the case of vehicular installation, the vehicle in which the Personal Communicator is installed should be driven to the Authorised Repair Centre, as analysis of any problem may require inspection of the entire vehicular installation.

In order to be eligible to receive warranty service, you must present your receipt of purchase or a comparable substitute proof of purchase bearing the date of purchase. The phone should also clearly display the original compatible electronic serial number (IMEI) and mechanic serial number [MSN]. Such information is contained with the Product.

## ***Conditions***

This warranty will not apply if the type or serial numbers on the Product has been altered, deleted, duplicated, removed, or made illegible. Motorola reserves the right to refuse free-of-charge warranty service if the requested documentation can not be presented or if the information is incomplete, illegible or incompatible with the factory records.

Repair, at Motorola's option, may include reflashing of software, the replacement of parts or boards with functionally equivalent, reconditioned or new parts or boards. Replaced parts, accessories, batteries, or boards are warranted for the balance of the original warranty time period. The Warranty Term will not be extended. All original accessories, batteries, parts, and Personal Communicator equipment that have been replaced shall become the property of Motorola. Motorola does not warrant the installation, maintenance or service of the products, accessories, batteries or parts.

Motorola will not be responsible in any way for problems or damage caused by any ancillary equipment not furnished by Motorola which is attached to or used in connection with the Products, or for operation of Motorola equipment with any ancillary equipment and all such equipment is expressly excluded from this warranty.

When the Product is used in conjunction with ancillary or peripheral equipment not supplied by Motorola, Motorola does not warrant the operation of the Product/peripheral combination and Motorola will not honour any warranty claim where the Product is used in such a combination and it is determined by Motorola that there is no fault with the Product. Motorola specifically disclaims any responsibility for any damage, whether or not to Motorola equipment, caused in any way by the use of the Personal Communicator, accessories, software applications and peripherals (specific examples include, but are not limited to: batteries, chargers, adapters, and power supplies) when such accessories, software applications and peripherals are not manufactured and supplied by Motorola.

## ***What is not covered by the warranty***

This warranty is not valid if the defects are due to damage, misuse, tampering, neglect or lack of care and in case of alterations or repair carried out by unauthorised persons.

1. Defects or damage resulting from use of the Product in other than its normal and customary manner.
2. Defects or damage from misuse, access to incompatible sources, accident or neglect.
3. Defects or damage from improper testing, operation, maintenance, installation, adjustment, unauthorised software applications or any alteration or modification of any kind.
4. Breakage or damage to antennas unless caused directly by defects in material or workmanship.
5. Products disassembled or repaired in such a manner as to adversely affect performance or prevent adequate inspection and testing to verify any warranty claim.
6. Defects or damage due to range, coverage, availability, grade of service, or operation of the cellular system by the cellular operator.
7. Defects or damage due to moist, liquid or spills of food.
8. Control unit coil cords in the Product that are stretched or have the modular tab broken.
9. All plastic surfaces and all other externally exposed parts that are scratched or damaged due to customer normal use.
10. Leather cases (which are covered under separate manufacturer's warranties).
11. Products rented on a temporary basis.
12. Periodic maintenance and repair or replacement of parts due to normal wear and tear.

**Note:** *The talk-time, stand-by time and total life cycle of a Motorola rechargeable battery for your Personal Communicator will depend on usage conditions and network configurations. As a consumable product, the specifications indicate that you should be able to obtain optimum performance for your Motorola Personal Communicator within the first six months from date of purchase and up-to (200) charges.*

*The warranty for Motorola rechargeable batteries becomes void if (i) the batteries are charged other than by Motorola approved battery chargers specified for the charging of the battery, (ii) any of the seals on the battery are broken or show evidence of tampering, (iii) the battery is used in equipment or service other than the cellular telephone equipment for which it is specified.*





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